

- 2 said shape is of thickness less than .065 inches.
- 1 3. The EMI shield of claim 1 wherein
- 2 said shape has a metal coating on one or more of the outer surface, the inner surface and the
- 3 edges thereof.
- 1 4. The EMI shield of claim 1 wherein
- 2 said metal coating is vacuum deposited aluminum vapor.
- 1 5. The EMI shield of claim 1 wherein
- 2 said polymeric material is from the group consisting of polyvinyl chloride, polyethylene
- 3 terephthalate, acrylonitrile-butenate-styrene, polyimide, liquid crystal polymer,
- 4 polyetherimide, polysulfone, polycarbonate, polyphenylene sulfide, high-impact
- 5 polystyrene, glycol-modified polyester, and polypropylene.
- 1 6. The EMI shield of claim 1 wherein
- 2 said shape comprises a multiplicity of enclosures joined by webs.
- 1 7. The EMI shield of claim 6 wherein
- 2 each of said enclosures has a plurality of sidewalls and an endwall,
- 3 said enclosures may be folded about said webs into touching engagement therebetween.
- 1 8. The EMI shield of claim 7 wherein
- 2 said enclosures are retained in engagement by conductive means.
- 1 9. The EMI shield of claim 6 wherein
- 2 said webs have no metal coating thereon.
- 1 10. The EMI shield of claim 1 wherein
- 2 said shape is of thickness less than .065 inches,
- 3 said shape has a metal coating on one or more of the outer surface, the inner surface and the
- 4 edges thereof,
- 5 said metal coating is aluminum.
- 1 11. The EMI shield of claim 1 wherein

2 said shape comprises a pair of enclosures joined by a web,
3 said enclosures being generally identical,
4 said web comprising a flexible hinge,
5 a first of said enclosures folded about said hinge to interconnect with the other of said
6 enclosures,
7 means to retain said enclosures in electrically conductive interconnection.

1 12. A thin-walled polymeric body for shielding EMI comprising
2 a polygonal shape formed from thin polymeric sheet which has been heated and drawn into
3 a mold or onto a die,
4 said shape having inner surfaces and outer surfaces,
5 said shape having a conductive metal vapor coating on selected surfaces thereof,
6 said coating being of thickness of at least 1 micron.

1 13. The body of claim 12 wherein
2 said polygonal shape comprises a multiplicity of sidewalls and an endwall,
3 said sidewalls and said endwall are of thickness less than .065 inches.

1 14. The body of claim 12 wherein
2 said polymeric sheet comprises one of the group consisting of polyvinyl chloride,
3 polyethylene terephthalate, acrylonitrile-butenate-styrene, polyimide, liquid crystal
4 polymer, polyetherimide, polysulfone, polycarbonate, polyphenylene sulfide, high-
5 impact polystyrene, glycol-modified polyester, and polypropylene.

1 15. The body of claim 12 wherein
2 said metal vapor coating is aluminum.

1 16. The body of claim 12 wherein
2 said shape comprises a pair of substantially similar enclosures interconnected by an integral
3 hinge,
4 each of said enclosures having sidewalls joined by an endwall,

said enclosures pivotable about said hinge into touching engagement of the sidewalls thereof,
mechanical means to retain said enclosures in engagement,
each of said sidewalls being electrically conductive with said other of said sidewalls.

17. The body of claim 16 wherein

said engaged enclosures contain an enclosed space,
means for passage of selected electrical signals into the space within said engaged enclosures.

18. The body of claim 12 wherein

said shape comprises a multiplicity of polygons interconnected by integral webs.

19. The body of claim 18 wherein

each of said polygons has an open side,
each of said webs having no conductive metal coating thereon.

20. The body of claim 14 wherein

said metal coating is from 1 to 50 microns in thickness,
said sheet is from .006 to .065 inches in thickness.